Extract from the online catalog

IB IL 24 DI 16-PAC

Order No.: 2861250

http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2861250

Inline digital input terminal, complete with accessories (plug connector and labeling field), 16 inputs, 24 V DC, 2, 3-conductor connection system

Commercial data	
GTIN (EAN)	4017918894191
sales group	K411
Pack	1 pcs.
Customs tariff	85389091
Weight/Piece	0.232 KG
Catalog page information	Page 271 (AX-2009)

Product notes

WEEE/RoHS-compliant since: 07/12/2006

http://www.download.phoenixcontact.com
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Product description

The digital Inline input terminals are designed for the connection of digital signals as are supplied from control switches, limit switches or proximity switches.

All the typical applications are covered by the standard automation terminals.

The I/O equipment is connected by a simple or an extended Inline connector, depending on the number of channels. The multi-wire connection method is available in both cases.

The Inline terminals can be labeled using hinged labeling fields. The fields have insert cards that can be labeled individually to suit the application. Additionally, there is the proven ZBFM-6... Zack strip for labeling the terminal points.

Technical data

General data

Width	48.8 mm
Height	140.5 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions
Weight	122 g
Note on weight specifications	Without plug
Mounting type	DIN rail
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20
Class of protection	Class 3 as per VDE 0106, IEC 61440
Test section	5 V supply, incoming remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min
	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min

Interface

Name	Local bus
Type of connection	Inline data jumper
Transmission speed	500 kBaud

Power supply for module electronics

Supply voltage	24 V DC (via voltage jumper)
Range of supply voltages	19.2 V DC ... 30 V DC
Supply current	60 mA
Communications voltage U_L	7.5 V (via voltage jumper)
Current consumption	max. 60 mA (from the local bus)

Inline potential routing	
Communications voltage U_L	7.5 V DC
Current consumption from U_L	max. 60 mA
Segment power supply voltage U_S	24 V DC (nominal value)
Current consumption from U_S	max. 4 A

Digital inputs	
Input name	Digital inputs
Description of the input	EN 61131-2 type 1
Type of connection	Spring-cage connection
Connection method	2, 3-wire
Number of inputs	16
Typical response time	< 1 ms
Protective circuitry	Short circuit and overload protection
Input voltage	24 V DC (via voltage jumper)
Input voltage range "0" signal	-3 V DC ... 5 V DC
Input voltage range "1" signal	15 V DC ... 30 V DC

Certificates / Approvals

Certification	ABS, BV, CUL, DNV, GL, GOST, LR, UL
Certification Ex:	CUL-EX LIS, PxC-EX, UL-EX LIS

Accessories

Item	Designation	Description
Literature		
2745554	IB IL SYS PRO UM	User Manual, German, for configuring and installing the INTERBUS Inline product range
Marking		
1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
0809502	ESL 62X46	Insert strip for laser printer, lettering field: 62 x 46 mm

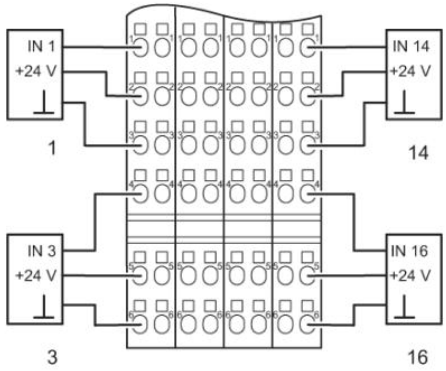
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm
2727515	IB IL FIELD 8	Labeling field, width: 48.8 mm
0811228	X-PEN 0,35	Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm
1051029	ZB 6,QR:FORTL.ZAHLEN	Zack strip, 10-section, printed vertically: with consecutive numbers, 1-10, 11-20 a.s.o. up to 991-1000, color: white
1051045	ZB 6,QR:GLEICHE ZAHLEN	Zack marker, labeled vertically: 10-section, with identical numbers, 1/1/1, 2/2/2 etc. up to 1000/1000/1000, color: White
5060935	ZB 6/WH-100:UNBEDRUCKT	Zack strip, unprinted: For individual labeling with M-PEN, ZB-T or CMS system, large batch, sufficient for labeling 1000 terminal blocks, for a terminal width of 6.2 mm, color: White
1050499	ZB 6:SO/CMS	Zack strip, 10-section, divisible, special printing, marking according to customer requirements
1051003	ZB 6:UNBEDRUCKT	Zack strip, unprinted, strips with 10 labels for individual labeling with M-PEN or CMS system, for terminal block width: 6.2 mm, color: white
0807193	ZBFM 6/OG:UNBEDRUCKT	Zack marker sheet, flat, unprinted: 100-section, 10 strips à 10 markers, sufficient for 100 terminal blocks, for all terminal blocks, pitch 6.2 mm, labeling with M-PEN or CMS system, color: orange
0803618	ZBFM 6/WH:UNBEDRUCKT	Zack marker sheet, flat, unprinted: 100-section, 10 strips à 10 markers, sufficient for 100 terminal blocks, for all terminal blocks, pitch 6.2 mm, labeling with M-PEN or CMS system, color: white
0803650	ZBFM 6:SO/CMS	Special printing, Zack marker sheet, flat, 100-section, divisible, marking according to customer requirements

Plug/Adapter

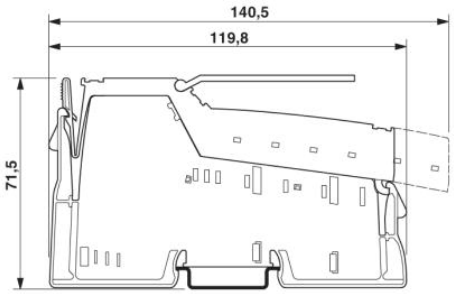
2727611	IB IL SCN-12-ICP	Connector, color coded, for digital 4, or 16-channel Inline input terminals

Diagrams/Drawings

Connection diagram



Dimensioned drawing



Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057,USA
Phone (800) 888-7388
Fax (717) 944-1625
http://www.phoenixcon.com